

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-8 (Cancelled)

Claim 9 (New) A digital signal recording method of recording a digital signal included in a digital packet input via a digital interface, comprising:

providing a packet information area for storing said digital signal and a packet header area for storing additional information of said packet information area to said digital packet;

storing first information indicative of copy restriction of said digital signal and second information for setting necessity of protection by encryption of said packet information area in said packet information area;

storing third information indicative of status of encryption of said packet information area in said packet header; and

determining fourth information indicative of copy restriction of a digital signal to be recorded to a recording medium on a basis of combination of said first, second and third information and recording said fourth information in said recording medium, when a digital signal has been input via said digital interface, wherein said fourth information is set so as to indicate "once copy is enabled" under conditions that said first information is indicative of "copy is enabled without restriction of copy times",

and said second information being indicative of "protection is necessary", and said third information is indicative of "once copy is enabled".

Claim 10 (new) A digital signal recording apparatus, comprising:

a digital interface;

means for recording a digital signal included in a digital packet input via said digital interface, said digital packet including a packet information area for storing said digital signal and a packet header area for storing additional information of said packet information area, said packet information area including first information indicative of copy restriction of said digital signal and second information for setting necessity of protection by encryption of said packet information area, and said packet header including third information indicative of status of encryption of said packet information area; and

means for determining fourth information indicative of copy restriction of a digital signal to be recorded to a recording medium on a basis of combination of said first, second and third information and recording said fourth information in said recording medium, when a digital signal has been input via said digital interface, wherein said fourth information is set so as to indicate "once copy is enabled" under conditions that said first information is indicative of "copy is enabled without restriction of copy times", and said second information is indicative of "protection is necessary", and said third information is indicative of "once copy is enabled".

Claim 11 (New) A digital signal reproducing method of storing a digital signal reproduced from a recording medium into a digital packet and outputting said digital packet from a digital interface, comprising:

providing a packet information area for storing said digital signal and a packet header area for storing additional information of said packet information area to said digital packet; and

when a first information indicative of copy restriction of said digital signal and a second information for setting necessity of protection by encryption of said packet information area are added to said digital signal, and fourth information indicative of copy restriction of a digital signal recorded in a recording medium is recorded in said recording medium, determining a value of third information included in said packet header area indicative of status of encryption of said packet information area on a basis of combination of said first, second and fourth information and outputting said third information from said digital interface, wherein said third information is set so as to indicate "once copy is enabled" under conditions that said first information is indicative of "copy is enabled without restriction of copy times", and said second information is indicative of "protection is necessary", and said fourth information is indicative of "once copy is enabled".

Claim 12 (New) A digital signal reproducing apparatus, comprising:

a digital interface;

means for storing a digital signal reproduced from a recording medium in a digital packet and outputting said digital packet from said digital interface, said digital

packet including a packet information area for storing said digital signal and a packet header area for storing additional information of said packet information area; and

when a first information indicative of copy restriction of said digital signal and a second information for setting necessity of protection by encryption of said packet information area are added to said digital signal, and fourth information indicative of copy restriction of a digital signal recorded in said recording medium is recorded in said recording medium, means for determining a value of third information included in said packet header area indicative of status of encryption of said packet information area on a basis of combination of said first, second and fourth information and outputting said third information from said digital interface, wherein said third information is set so as to indicate "once copy is enabled" under conditions that said first information is indicative of "copy is enabled without restriction of copy times", and said second information is indicative of "protection is necessary", and said fourth information is indicative of "once copy is enabled".

Claim 13 (New) A digital signal recording and reproducing method of recording a digital signal included in a digital packet input via a digital interface and storing a digital signal reproduced from a recording medium in a digital packet and outputting said digital packet from said digital interface, comprising:

providing a packet information area for storing said digital signal and a packet header area for storing additional information of said packet information area to said digital packet;

when a digital signal is recorded under conditions that first information indicative of copy restriction of said digital signal and second information for setting

necessity of protection by encryption of said packet information area are stored in said packet information area, and third information indicative of status of encryption of said packet information area is stored in said packet header area, and fourth information indicative of copy restriction of a digital signal to be recorded in a recording medium is recorded in said recording medium, determining said fourth information on a basis of combination of said first, second and third information and recording said fourth information in said recording medium, wherein said fourth information is set so as to indicate "once copy is enabled" and recorded in said recording medium under conditions that said first information is indicative of "copy is enabled without restriction of copy times", and said second information is indicative of "protection is necessary", and said third information being indicative of "once copy is enabled"; and

when said digital signal is reproduced, determining a value of said third information indicative of status of encryption of said packet information area on a basis of combination of said first, second and fourth information and outputting said third information from said digital interface, wherein said third information is set so as to indicate "once copy is enabled" under conditions that said first information is indicative of "copy is enabled without restriction of copy times", said second information is indicative of "protection is necessary", and said fourth information is indicative of "once copy is enabled".

Claim 14 (New) A digital signal recording and reproducing apparatus,
comprising:

a digital interface;

means for recording a digital signal included in a digital packet input via said digital interface in a recording medium, said digital packet including a packet information area for storing said digital signal and a packet header area for storing additional information of said packet information area;

means for storing a digital signal reproduced from a recording medium in a digital packet and outputting said digital packet from said digital interface;

when a digital signal is recorded under conditions that a first information indicative of copy restriction of said digital signal and a second information for setting necessity of protection by encryption of said packet information area are stored in said packet information area, and a third information indicative of status of encryption of said packet information area is stored in said packet header area, and a fourth information indicative of copy restriction of a digital signal to be recorded in a recording medium is recorded in said recording medium, means for determining said fourth information on a basis of combination of said first, second and third information and recording said fourth information in said recording medium, wherein said fourth information is set so as to indicate "once copy is enabled" and recorded to said recording medium under conditions that said first information is indicative of "copy is enabled without restriction of copy times", said second information is indicative of "protection is necessary" and said third information is indicative of "once copy is enabled"; and

when said digital signal is reproduced, means for determining a value of said third information indicative of status of encryption of said packet information area on a basis of combination of said first, second and fourth information and outputting said third information from said digital interface, wherein said third information is set

so as to indicate "once copy is enabled" and output from said digital interface under conditions that said first information is indicative of "copy is enabled without restriction of copy times", and said second information is indicative of "protection is necessary", and said fourth information is indicative of "once copy is enabled".

Claim 15 (New) A recording apparatus, comprising:

an interface to which a digital data is input, said digital data including first information relating to copy control information, second information relating to status of encryption and third information relating to necessity of encryption;

a recording medium for recording said digital data input from said interface;
and

control means for controlling a recording operation to said recording medium in a manner that when said first information is indicative of "copy is enabled without restriction of copy times", and said second information is indicative of "once copy is enabled", and said third information is indicative of "protection is necessary", information relating to copy restriction of a digital data to be recorded in said recording medium is set to "once copy is enabled" and recorded in said recording medium.